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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete If Known	
				Application Number	10/734499
				Filing Date	December 12, 2003
				First Named Inventor	Raanan A. Miller
				Art Unit	2881
				Examiner Name	Hashmi, Zia R.
Sheet	1	of	1	Attorney Docket Number	SION-P12-041

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
W	AA	2003/0052263 A1	03/20/03	Kaufman et al.	
	AB	2003/0132380 A1	07/17/03	Miller et al.	
	AC	6,639,212	10/28/03	Guevremont	
	AD	6,653,627	11/25/03	Guevremont	
	AE	6,690,004	02/10/04	Miller et al.	
	AF	6,703,609	03/09/04	Guevremont	
	AG	6,713,758	03/30/04	Guevremont	
	AH	2004/0094704 A1	05/20/04	Miller et al.	
	AI	6,753,522	06/22/04	Guevremont	
	AJ	6,770,875	08/03/04	Guevremont	
	AK	6,774,360	08/10/04	Guevremont	
	AL	6,787,765	09/07/04	Guevremont	
	AM	6,799,355	10/05/04	Guevremont	
	AN	6,806,466 B2	10/19/04	Guevremont	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
WJ	BA	WO-01/69217 A2	09/20/01	National Research Council Canada		

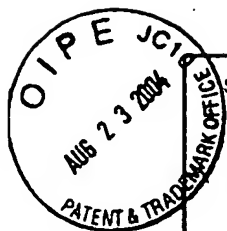
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NON PATENT LITERATURE DOCUMENTS			
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W	CA	"Comparison of the Planar and Coaxial Field Asymmetrical Waveform Ion Mobility Spectrometer (FAIMS)," International Journal of Mass Spectrometry, 225, (2003), pp. 39-51.	

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	Zia R. Hashmi	Date Considered	5/23/05
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			First Named Inventor	Raanan A. Miller	
			Art Unit	2881	
			Examiner Name	Hashmi, Zia R.	
Sheet	1	of	4	Attorney Docket Number	SION-P12-041

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		Number-Kind Code ² (# known)			
W/L	AA	US-2,615,135	10-21-1952	Glenn	
	AB	US-2,818,507	12-31-1957	Britten	
	AC	US-2,919,348	12-29-1959	Bierman	
	AD	US-3,511,986	05-12-1970	Llewellyn	
	AE	US-3,621,240	11-16-1971	Cohen et al.	
	AF	US-3,648,046	03-07-1972	Denison et al.	
	AG	US-3,931,589	01-06-1976	Aisenberg et al.	
	AH	US-4,019,989	04-26-1977	Hazewindus et al.	
	AI	US-4,025,818	05-24-1977	Giguere et al.	
	AJ	US-4,136,280	01-23-1979	Hunt et al.	
	AK	US-4,163,151	07-31-1979	Bayless et al.	
	AL	US-4,201,921	05-06-1980	McCorkle	
	AM	US-4,315,153	02-09-1982	Vahrenkamp	
	AN	US-4,517,462	05-14-1985	Boyer et al.	
	AO	US-4,761,545	08-02-1988	Marshall et al.	
	AP	US-4,885,500	12-05-1989	Hansen et al.	
	AQ	US-5,298,745	03-29-1994	Kernan et al.	
	AR	US-5,420,424	05-30-1995	Camahan et al.	
	AS	US-5,455,417	10-03-1995	Sacristan	
	AT	US-5,536,939	07-16-1996	Freidhoff et al.	
	AU	US-5,644,131	07-01-1997	Hansen	
	AV	US-5,654,544	08-05-1997	Dresch	
	AW	US-5,723,861	03-03-1998	Camahan et al.	
	AX	US-5,763,876	06-09-1998	Pertinardes et al.	
	AY	US-5,789,745	08-04-1998	Martin et al.	
	AZ	US-5,801,379	09-01-1998	Kouznetsov	
	AA1	US-5,811,059	09-22-1998	Genovese et al.	
	AB1	US-5,834,771	11-10-1998	Yoon et al.	
	AC1	US-5,838,003	11-17-1998	Bertsch et al.	
	AD1	US-5,852,302	12-22-1998	Hiraishi et al.	
	AE1	US-5,965,882	10-12-1999	Megerle et al.	
	AF1	US-6,049,052	04-11-2000	Chutjian et al.	
	AG1	US-6,066,848	05-23-2000	Kassel et al.	
	AH1	US-6,107,628	08-22-2000	Smith et al.	
	AI1	US-6,124,592	09-26-2000	Spangler	
	AJ1	US-6,157,029	12-05-2000	Chutjian et al.	
	AK1	US-6,157,031	12-05-2000	Prestage	
	AL1	US-6,188,067 B1	02-13-2001	Chutjian et al.	
	AM1	US-6,200,539 B1	03-13-2001	Sherman et al.	
	AN1	US-6,262,416 B1	07-17-2001	Chutjian et al.	
	AO1	US-6,281,494 B1	08-28-2001	Chutjian et al.	
	AP1	US-6,495,823 B1	12-17-2002	Miller et al.	
	AQ1	US-6,504,149 B2	01-07-2003	Guevremont et al.	

Examiner Signature	ZIA R. HASHMI	Date Considered	5/23/05
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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Complete if Known		
			Application Number	10/734499	
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			First Named Inventor	Raanan A. Miller	
			Art Unit	2881	
			Examiner Name	Hashmi, Zia R.	
Sheet	2	of	4	Attorney Docket Number	SION-P12-041

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Wde	AR1	US-2001/0030285 A1	10-18-2001	Miller et al.	
	AS1	US-2002/0134932 A1	09-26-2002	Guevremont et al.	
	AT1	US-2002/0070338 A1	06-13-2002	Lododa	
	AU1	US-2003/0089847 A1	05-15-2003	Guevremont et al.	
	AV1	US-2003/0020012 A1	01-30-2003	Guevremont	
	AW1	US-2003/0038235 A1	02-27-2003	Guevremont et al.	
	AX1	US-6,323,482 B1	11-27-2001	Clemmer et al.	
	AY1	US-6,512,224	01-28-2003	Miller et al.	
	AZ1	US-6,621,077	09-16-2003	Guevremont et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code ² -Number ³ -Kind Code ⁴ (if known)				
Wde	BA	WO-00/08454	02-17-2000	National Research Council Canada		
	BB	WO-00/08455	02-17-2000	National Research Council Canada		
	BC	WO-00/08456	02-17-2000	National Research Council Canada		
	BD	WO-00/08457	02-17-2000	National Research Council Canada		
	BE	SU-966583 A	10-15-1982	Gorshkov		
	BF	SU-1337934 A2	09-15-1987	Buryakov		
	BG	SU-1412447 A1	06-20-1998	Buryakov et al.		
	BH	SU-1485808 A1	06-10-1998	Buryakov et al.		
	BI	SU-1627984 A2	02-15-1991	Buryakov		
	BJ	WO-01/08197 A1	02-01-2001	The Charles Stark Draper Laboratory		
	BK	WO-01/22049 A2	03-29-2001	Haley et al.		
	BL	WO-01/35441 A1	05-17-2001	The Charles Stark Draper Laboratory		
	BM	WO-96/19822 A1	06-27-1996	The Charles Stark Draper Laboratory		
	BN	WO-01/69220 A2	09-20-2001	National Research Council Canada		
	BO	WO-01/69647 A2	09-20-2001	National Research Council Canada		
	BP	WO-02/071053 A2	09-12-2002	The Charles Stark Draper Laboratory		
	BQ	WO-02/083276	10-24-2002	The Charles Stark Draper Laboratory, Inc.		
	BR	WO-03/005016	01-16-2003	Sionex Corporation		
	BS	WO-2003/015120	02-20-2003	Sionex Corporation		

Examiner Signature	Zia R. Hashmi	Date Considered	5/23/05
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<i>Mo</i>	CA	"A Micromachined Field Driven Radio Frequency-Ion Mobility Spectrometer for Trace Level Chemical Detection," A Draper Laboratory Proposal Against the "Advanced Cross-Enterprise Technology Development for NASA Missions," Solicitation, NASA NRA 99-OSS-05.	
	CB	BARNETT et al., "Isotope Separation Using High-Field Asymmetric Waveform Ion Mobility Spectrometry," Nuclear Instruments & Methods in Physics Research, Vol. 450, No. 1, pp. 179-185 (2000).	
	CC	BURYAKOV et al., "A New Method of Separation of Multi-Atomic Ions by Mobility at Atmospheric Pressure Using a High-Frequency Amplitude-Asymmetric Strong Electric Field," International Journal of Mass Spectrometry and Ion Processes, Vol. 128, pp. 143-148 (1993).	
	CD	BURYAKOV et al., "Drift Spectrometer for the Control of Amine Traces in the Atmosphere," J. Anal. Chem., Vol. 48, No. 1, pp. 112-121 (1993).	
	CE	BURYAKOV et al., "Separation of Ions According to Mobility in a Strong AC Electric Field," Letters to Journal of Technical Physics, Vol. 17, pp. 11-12 (1991).	
	CF	BURYAKOV et al., "Device and Method for Gas Electrophoresis, Chemical Analysis of Environment," ed. Prof. V.V. Malakhov, Novosibirsk: Nauka, pp. 113-127 (1991).	
	CG	CARNAHAN et al., "Field Ion Spectrometry - A New Analytical Technology for Trace Gas Analysis," ISA, Vol. 51, No. 1, pp. 87-96 (1996).	
	CH	CARNAHAN et al., "Field Ion Spectrometry - A New Technology for Cocaine and Heroin Detection," SPIE, Vol. 2937, pp. 106-119 (1997).	
	CI	EICEMAN et al., "Miniature radio-frequency mobility analyzer as a gas chromatographic detector for oxygen-containing volatile organic compounds, pheromones and other insect attractants," Journal of Chromatography, Vol. 917, pp. 205-217 (2001)	
	CJ	GUEVREMONT et al., "Atmospheric Pressure Ion Focusing in a High-Field Asymmetric Waveform Ion Mobility Spectrometer," Review of Scientific Instruments, Vol. 70, No. 2, pp. 1370-1383 (1999).	
	CK	GUEVREMONT et al., "Calculation of Ion Mobilities from Electrospray Ionization High-Field Asymmetric Waveform Ion Mobility Spectrometry Mass Spectrometry," Journal of Chemical Physics, Vol. 114, No. 23, pp. 10270-10277 (2001).	
	CL	GUEVREMONT et al., "High Field Asymmetric Waveform Ion Mobility Spectrometry-Mass Spectrometry: An Investigation of Leucine Enkephalin Ions Produced by Electrospray Ionization," J. Am. Soc. Mass. Spectrom., Vol. 10, pp. 492-501 (1999).	
	CM	HANDY et al., "Determination of Nanomolar Levels of Perchlorate in Water by ESI-FAIMS-MS," J. Anal. At. Spectrometry, Vol. 15, pp. 907-911 (2000).	
	CN	KRYLOV, "A Method of Reducing Diffusion Losses in a Drift Spectrometer," Technical Physics, Vol. 4d, No. 1, pp. 113-116 (1999).	
	CO	KRYLOV, "Pulses of Special Shapes Formed on a Capacitive Load," Instruments and Experimental Techniques, Vol. 40, No. 5, (1997). Also cited in Database Nauka/Interperiodika 'Online', International Academic Publishing Company (IAPC), Russia, E. Krylov.	

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<i>HA</i>	CP	MILLER et al., "A MEMS Radio-Frequency Ion Mobility Spectrometer for Chemical Agent Detection," Proceedings of the 2000 SolidState Sensors and Actuators Workshop (Hilton Head, SC, June 2000)	
	CQ	MILLER et al., "A MEMS radio-frequency ion mobility spectrometer for chemical vapor detection," Sensors and Actuators, Vol. 91, pp. 301-312 (2001)	
	CR	MILLER et al., "A Novel Micromachined High-Field Asymmetric Waveform-Ion Mobility Spectrometer," Sensors and Actuators B, Vol. B67, No. 3, pp. 300-306 (2000).	
	CS	PILZECKER et al., "On-Site Investigations of Gas Insulated Substations Using Ion Mobility Spectrometry for Remote Sensing of SF6 Decomposition," IEEE, pp. 400-403 (2000).	
	CT	RIEGNER et al., "Qualitative Evaluation of Field Ion Spectrometry for Chemical Warfare Agent Detection," Proceedings of the ASMS Conference on Mass Spectrometry and Allied Topics, pp. 473A-473B (1997).	
	CU	SCHNEIDER et al., "High Sensitivity GC-FIS for Simultaneous Detection of Chemical Warfare Agents," Journal of Process Analytical Chemistry, Vol. 5, Nos. 3, 4, pp. 124-136 (2000)	

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